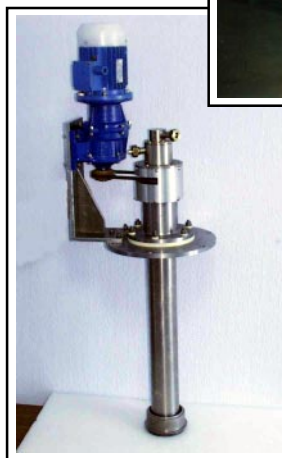




# Low-Cost, Large-Scale, Diamond-Like Carbon (DLC) Coatings



- Modern ultra-hard coatings in demand for materials protection
- DLC coatings feature high hardness, low friction, high wear, good corrosion resistance
- Russian-U.S. partners developed DLC film deposition method with high adhesion and growth rates
- Project will develop world's largest system for inexpensive, large-scale DLC applications onto plastics, metals, ceramics
- Broad commercial market for DLC coatings:
  - cutting and machine tools
  - flat-panel and LED displays
  - acoustical MEMs
  - optical/bearing/silicon wafer coatings
  - thermal management for electronic components
  - internal combustion engines



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Tucson, AZ



ELION, LTD.  
Tomsk, Russia



Institute of High  
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